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19 December 1956

DOCUMENT NO. 3X  
NO CHANGE IN CLASS. ☐  
☐ DECLASSIFIED  
CLASS. CHANGED TO: TS S 02010  
NEXT REVIEW DATE: \_\_\_\_\_  
AUTH: HR 70-2  
DATE: 096/80 REVIEWER: 010956

MEMORANDUM FOR: THE RECORD

THROUGH :

SUBJECT : Monitoring of Contract

1. TIME AND PLACE OF MEETING: The meeting was held 12-13 December 1956 at

2. ATTENDANCE:

3. DISCUSSION:

a. "C" Units

The two "C" units were returned to because of unsatisfactory operation. Considerable time was taken in checking the units in the laboratory for any defect. After the units were checked out in the laboratory and found to be working properly they were taken for field testing. Conditions of test -

Time: 0930

Weather: Temperature 78°, sun shining

Humidity: Less than 10%

Distance: Contact was attempted at 1.2 miles, but not established.

Contact was attempted at 1 mile.

Tone and voice signals were heard on both ends but signal strength was insufficient to understand voice transmission.

Contact was established at .6 mile; reception on one end was very good while on the other end only fair. All available batteries were interchanged, but this did not improve the transmission characteristics.

As a result of these tests, requested that they be allowed to keep the "C" units to check them over fully and do further field testing.

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The other four "C" units

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The other four "C" units being manufactured were observed in their various stages of completion. All components for the 4 units have been received except the galvanometers which are scheduled for delivery the week of 8 January. The outside cases have been completed and the electronic portions have been built and checked out. There appears to be no problem in meeting the delivery date of 30 January, providing the galvanometers are received as scheduled. Improvements that are being incorporated in the new units are listed below:

- (1) Chassis is being machined from solid aluminum to provide easier alignment of receiver and transmitters.
- (2) Two light leaks found in the receiver mounting bracket have been corrected.
- (3) Sensitivity of the new galvanometer has been increased. The old galvanometers required 110 MW while the new ones require only 90 MW.
- (4) The percentage modulation indicator will be incorporated with detents on the sliding window cover.
- (5) Battery contacts have been redesigned and will be made from stainless steel.
- (6) Sighting system has been redesigned and will be incorporated in the lens cover.
- (7) Case retaining screws will utilize tru arc retaining rings.
- (8) Microphone connectors have been changed to a miniature PL type 3 contact plug.
- (9) Shorten the base of the lamps by 3/32".

b. "B" Units

Purchase has been initiated for all components for the four additional "B" units. The 25 mirrors were ordered the last week in November and the first shipment is expected to be received the latter part of December. At present there appears to be no problem involved in meeting the delivery schedule of these four units.

See attached production schedule for "B" units.

It was requested by  that we decide if  is to replace the mirrors in the "B" units that we now have or if we want our own people to be instructed in replacement of the mirrors.

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c. "D" Units

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c. "D" Units

All of the components have been ordered for the "D" units, approximately 50% have been received. Mechanical drawings have been released. It is most probable, because of the shortage of non-cleared personnel, that this project will run rather slowly until the "C" units are completed.

d. "E" Units

There seems to be some miswording of the cover sheet accompanying the increase of funds allotted for Task VIII. The cover sheet stated that the increase was because of a change in scope. It also stated that the units should be operated from DC instead of AC. The people at [redacted] would like a clarification of these two points before proceeding with modification of the "E" units.

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4. The undersigned received three copies of an engineering proposal for "an infrared audio surveillance transmitter and receiver". A proposal covering a study of a narrow band infrared communication systems will be finished and sent to Washington during the week of 17 December 1956.

5. [redacted] stated that they were very short of Agency cleared personnel because of their recent move and would appreciate any assistance we could give them in getting the security clearances through on their people.

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Distribution:

- 1 - P-101B
- 1 - P-101D
- 1 - P-101C
- 1 - DMM
- 1 - Chrono

DMM:ls

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